

Remarks

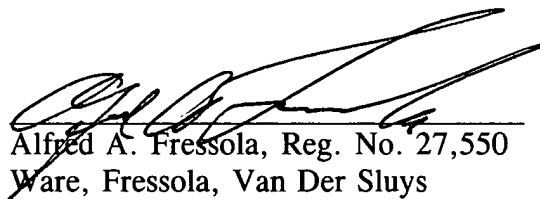
This preliminary amendment is filed for the purpose of placing the application into standard U.S. format. Claims 6, 11, 14, 17 and 20 have been amended. Consideration and allowance of the claims is earnestly solicited.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

Date:

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Version with Markings to Show Changes MadeIn the Specification:

Paragraph beginning at line 5 of page 3 has been amended as follows:

The display device may have a back light operable to illuminate the display device, and the method may include capturing the data corresponding to the first and second images with the back light in use, although external illumination may be used for this purpose.

In the Claims:

6. (Amended) A method according to claim 5 wherein the elements are configured in an array of rows and columns, and including combining the resultant data for at least a part of an individual one of the rows or columns, and comparing the combined data with a threshold to provide an indication of a malfunction in the device.

11. (Amended) A method according to [any preceding] claim 1 wherein the display device is mounted in an electronic apparatus with a back light operable to illuminate the display device, including capturing the data corresponding to the first and second images with the back light in use.

14. (Amended) Apparatus according to claim 13 wherein the test pattern generator is configured to energise and de-energise the elements individually to produce the data corresponding to the first and second images.

17. (Amended) Apparatus according to claim [12wherein] 12 wherein the processor is configured to compare the image data for the first and second images to provide resultant data corresponding to the functionality of the elements individually.

20. (Amended) Apparatus according to claim 19 wherein the threshold is a weighted combination of the mean and standard deviation of the values of the resultant data included within the individual row or column [malfunction data included within the individual row or column].

In the Abstract:

Paragraph beginning at line 1 of page 18 has been amended as follows:

Abstract of the Disclosure

[Testing an image display device]

A method of testing functionality of a LCD device[(5)] (5) in a mobile telephone handset (MS1), involves applying first and second test patterns to electrodes (17, 18) of the device (5) and capturing image data corresponding to the display produced, using a camera (11). A processor (12) compares the image data for the first and second test patterns, for each display element of the device (5). The first and second patterns are arranged so that each element is switched on and off. When the data from the first and second patterns is compared, functional elements provide relatively high value resultant data (r), whereas non-

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functional data do not. The resultant data (r) is summed by row and column and compared with a threshold to detect fault conditions.

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